

MEMORANDUM TO RECORD

From: Cindy Lin

Date: August/September 2013

On 7/24/2013, Dave Pedersen, LVMWD & JPA requested a response to the following question after USEPA Region 9 established the final Malibu Creek and Lagoon TMDL on July 2, 2013.

Your "Response to Comment 1-G10" on the Malibu Creek TMDL indicates that you provided this report "to interested stakeholders, including the JPA, soon after the public notice of the draft TMDL". To my knowledge, the JPA did not receive the draft report until March 22, 2013 (see email below), upon my request and after filing of a Freedom of Information Act Request. Do you have correspondence to indicate otherwise (i.e. date of transmittal and contact person)? If so, please provide it to substantiate your statement. Thanks.

EPA public noticed the Draft TMDL on December 12, 2013. Sometime in January, I received a call from LVMWD (Randall Orton) requesting a copy of the Draft Malibu State of the Watershed Report (SOWR). I contacted Heal the Bay and asked them when the final Report will be released, and they stated that it would be sometime end of January or early February. As reference, in November 2012, when I requested the Draft SOWR, Heal The Bay stated that they plan to put out the final SOWR in January 2013. I made many requests on behalf of EPA and our stakeholder, LVMWD & JPA, to have the draft sent made available as quickly as possible. We understood that LVMWD initially had wanted the final SOWR. On March 5, Katherine Pease informed me that they will overnight the hard copy, still in draft, to LVMWD on March 6, 2013. Afterwards, I found out from LVMWD that they were looking for the November 2012 Draft version of the SOWR. I requested that Heal the Bay send them this Draft version also. As a result of this interaction, Heal the Bay provided the final and draft report to LVMWD in March.

I should note that Heal the Bay had informed me that most of the benthic macroinvertebrate, water quality, and physical habitat data used to develop the SOWR were already provided to LVMWD earlier. Since EPA was not the original author of SOWR, we requested on LVMWD's behalf. Furthermore, discussion on the SOWR with LVMWD staff had taken place during many meetings prior to the establishment of the Draft TMDL and the Final TMDL. EPA understood that LVMWD had the data that went into the development of the SOWR, and also at one point reviewed an earlier draft of the SOWR. EPA was under the impression that LVMWD had information on the data and details of the SOWR prior to the Draft and Final TMDL, and in fact had been working with Heal the Bay to share technical information and analyses.

Below, please see the information I requested from Heal the Bay showing their providing of data sets to LVMWD directly.

Mon 8/5/2013 11:54 AM

Hi Cindy,

We never shared a draft of the SOWR with LVMWD – we did share all the data with them though in October. Well, most of the data pertaining to the TMDL – we shared all our bug and IBI data and they had all the water chem data from the report too. I gave the data to Jan on a flash drive at the October Malibu TAC meeting – I believe I have an email to Jan or from Jan that references that. I will try to dig that up.

Also, have you been in touch with a Michael Amali (sp?) about possible pollution dumping? I got a voicemail from him and talked to him for a while this morning. He said you were in email contact with him. I will plan to at least check out the site he is talking about to assess validity but let me know if you have any thoughts.

Thanks, Katherine

Katherine Pease | Watershed Scientist
Heal the Bay | 1444 9th Street | Santa Monica CA 90401
Tel: 310.451.1500 x 141 | Fax: 310.496.1902 | kpease@healthebay.org

From: Katherine Pease [mailto:kpease@healthebay.org]
Sent: Monday, August 05, 2013 12:01 PM
To: 'Cindy Lin'
Subject: FW: mystery IBI data locations - slope, too?

Hi Cindy,

Here's what I have about the data exchanged – Jan asked me for some more data in January but then I told her that was all included in the data I gave her after the last TAC (October 2012), which she then agreed with. Best I can do. Let me know if I can get you anything else.

Best, Katherine

Katherine Pease | Watershed Scientist
Heal the Bay | 1444 9th Street | Santa Monica CA 90401
Tel: 310.451.1500 x 141 | Fax: 310.496.1902 | kpease@healthebay.org

Don't miss the fun at Heal the Bay's [Santa Monica Pier Aquarium!](#)



From: Katherine Pease [<mailto:kpease@healthebay.org>]
Sent: Monday, August 05, 2013 11:59 AM
To: Katherine Pease
Subject: Fwd: mystery IBI data locations - slope, too?

----- Forwarded message -----

From: Dougall, Jan <jdougall@lvmwd.com>
Date: Wed, Jan 16, 2013 at 10:32 AM
Subject: RE: mystery IBI data locations - slope, too?
To: Katherine Pease <kpease@healthebay.org>

You're right – we do have the taxa and metrics, but I don't find the physical habitat data.

Jan Dougall
LVMWD
[\(818\) 251-2167](tel:(818)251-2167)

From: Katherine Pease [<mailto:kpease@healthebay.org>]
Sent: Wednesday, January 16, 2013 10:27 AM

To: Dougall, Jan
Subject: RE: mystery IBI data locations - slope, too?

Hi Jan,

I am not sure exactly what data Randall wants – he said he'd email me. But I am pretty sure I gave you everything we have. He mentioned the specific taxa info for Cheeseboro, which should have been in the data I gave you at the last TAC meeting. Let me know though.

Best, Katherine

Katherine Pease | Watershed Scientist
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It's a Party! Join us March 1st-3rd for the Santa Monica Pier Aquarium's [birthday bash](#).



From: Dougall, Jan [mailto:jdougall@lvmwd.com]
Sent: Tuesday, January 15, 2013 1:03 PM
To: 'Katherine Pease'
Subject: RE: mystery IBI data locations - slope, too?

Hi Katherine,

Randal said he spoke to you yesterday about getting taxa data, metrics and p-hab data. Could you make sure to cc me when you send it?

Thanks!

Jan Dougall
LVMWD
[\(818\) 251-2167](tel:(818)251-2167)

From: Katherine Pease [mailto:kpease@healthebay.org]
Sent: Thursday, January 10, 2013 1:25 PM
To: Dougall, Jan
Subject: RE: mystery IBI data locations - slope, too?

Hi Jan,

Sorry not reply to you sooner. I have some information for you.

I am including this table which has some more site information on location for most of the sites in question but not all. These are the sites from 2000 – not sure I will be able to find the other sites very easily. I couldn't find any slope info and don't know that we necessarily measured it at the sites that we don't currently monitor. Hope this helps.

The TAC next week looks great – excited to see it!

Best, Katherine

Stream & site #	Description/Directions	GIS info	Sampled
Malibu Cr. MC#1	Impacts upstream: 105 sq miles of drainage 6 man made lakes Tapia Wastewater treatment plant and compost facility, landfill, sheep and cow grazing, horses, septic systems 3000 + urban runoff from Agoura Hills, Westlake Village, part of Calabasas and the 101 fwy. all drain here. From the Malibu Lagoon Parking Lot turn right onto PCH immediately get in the left lane and turn left at Serra Rd (first available left) go past the guard shack	<i>Elevation:</i> 32.79 ft. <i>Northing:</i> 3768379.350 <i>Easting:</i> 344201.287 <i>Stream order</i> 5	Sp 00 F 00

	<p>until you get to Mariposa De Oro and turn left. At the creek, turn right and follow the road to the end. Park at the State park sign. Follow the trail to the creek take the first fork.</p> <p>Reach is ~Walk downstream until the riffle sequence turns into a glide 50 yards downstream begin sampling within the 5 riffles.</p>		
Malibu Cr. MC#9	<p>Downstream of all Tapia Discharges.</p> <p>Impacts upstream: 6 man made lakes Tapia Wastewater treatment plant and compost facility, landfill, sheep and cow grazing, horses, septic systems 3000+, urban runoff from Agoura Hills, Westlake Village, part of Calabasas and the 101 fwy.</p> <p>Exit Tapia Park turn right on Malibu Canyon Rd. .5 miles on your left open gate at LA County stream gauge drive to bottom. Walk upstream between willows.</p> <p>Reach begins at riffle just above the gauge 5 riffles.</p>	<p><i>Elevation:</i> 431.32ft.</p> <p><i>Northing:</i> 3771973.345</p> <p><i>Easting:</i> 343102.468</p> <p><i>Reach length: 388 ft.</i> <i>Stream order 5</i></p>	Sp 00 F 00
Malibu Cr. MC#8b	<p>Riffle below grated discharge 001</p> <p>Impacts upstream: 6 man made lakes landfill, sheep and cow grazing, horses, septic systems 3000+, urban runoff from Agoura Hills, Westlake Village, part of Calabasas and the 101 fwy.</p> <p>Ground water discharge (can discharge reclaimed water). D.S. Rancho Compost Sludge injection, massive reclaimed irrigation and overflow discharges from compost facility.</p> <p>First riffle below the grated Tapia discharge. 100 yards downstream from MC#8. Approach from stream edge on the left.</p>	<p><i>Elevation:</i> 448.79ft</p> <p><i>Northing:</i> 3772284.577</p> <p><i>Easting:</i> 342699.281</p> <p><i>Stream order 4</i></p>	Sp 00
Malibu Cr. MC#8	<p>Upstream Tapia grated discharge.</p> <p>Upstream impacts: 1 sheep and cow grazing, horses, septic systems 3000+, urban runoff from Agoura Hills, Westlake Village, part of Calabasas and the 101 fwy.</p> <p>D.S. Rancho Compost Sludge injection, massive</p>	<p><i>Elevation:</i> 457.00ft</p> <p><i>Northing:</i> 3772323.80</p> <p><i>Easting:</i> 342631.093</p>	Sp 00 F 00

	<p>reclaimed irrigation and overflow discharges from compost facility.</p> <p>Tapia Park veer left at first street until it ends at a locked gate. Unlock the gate and drive through, be sure to lock gate behind you follow the dirt road to the end and park just in front of the next gate. Take the trail on the right (South) down to the creek. Find a path and head down stream from the picnic area and large vegetated island.</p> <p>Reach begins just above grated discharge 5 riffles and ends at long glide where stream veers.</p>	<p><i>Reach length: 228 ft.</i></p> <p><i>Stream order 4</i></p>	
Malibu Cr. MC#13	<p>Downstream Malibu Creek x-ing .</p> <p>Upstream impacts: 95 sq miles of drainage 6 man made lakes, landfill, Agoura Hills, Westlake Village, part of Calabasas and the 101 fwy. drain here.</p> <p>From Malibu Canyon/Las Virgenes Canyon Rd. heading North turn left into the entrance of Malibu Creek State Park. Park in the 3rd parking lot by the soda machines and bathroom. Proceed over the first bridge (Training site) until you reach the second bridge/stream crossing.</p> <p>Reach begins 150 ft downstream just above confluence with Las Virgenes Creek 3-5 riffles ends at pool in front of stream x-ing.</p>	<p><i>Elevation:</i> 494ft.</p> <p><i>Northing:</i> 3774146.762</p> <p><i>Easting:</i> 341264.361</p> <p><i>Reach length: 81 ft.</i></p> <p><i>Stream order 4</i></p>	F 00
Malibu Cr. MC#12	<p>Upstream Malibu Creek x-ing above Las Virgenes.</p> <p>Upstream impacts: 95 sq miles of drainage 6 man made lakes, landfill, Agoura Hills, Westlake</p>	<p><i>Elevation:</i> 497ft.</p> <p><i>Northing:</i> 3774160.976</p> <p><i>Easting:</i> 341265.417</p> <p><i>Reach length: 282 ft.</i></p>	F 00

	<p>Village, part of Calabasas and the 101 fwy. drain here.</p> <p>From Malibu Canyon/Las Virgenes Canyon Rd. heading North turn left into the entrance of Malibu Creek State Park. Park in the 3rd parking lot by the soda machines and bathroom. Proceed over the first bridge (Training site) until you reach the second bridge/stream crossing samples were taken upstream in the slow moving glide/pool by the bridge and in the riffle upstream where the creek narrows. Reach begins glide/pool by the bridge and in the riffle upstream where the creek narrows and ends at the long glide above riffle.</p>	Stream order 4	
Cold Cr. CC#2	<p>Cold Creek Outlet</p> <p>Upstream impacts: Drains numerous houses 500 on septic systems 100-300 horses along the creek.</p> <p>From Site 1 - 2_(Distance 6.75 miles) From the lagoon parking lot go straight through the light and follow the road, veering left at Civic Center Way. To Malibu Canyon Rd. turn right proceed through the canyon until you reach Piuma Rd and turn right. Drive 1/4 mile until you see road marker .27 and a “slippery when wet” sign. Park on the right just in front of the sign. <i>If you pass Crater Camp Rd on the left-hand side you have just missed the site.</i> You will see a brown trail marker that says Backbone Trail. Proceed 10-20 ft down the trail until you reach Cold Creek.</p> <p>Reach begins 400 ft upstream at the culvert 5-7 riffles and ends at large bend just downstream from the trail.</p>	<p><i>Elevation:</i> 443.73 ft.</p> <p><i>Northing:</i> 3771987.907</p> <p><i>Easting:</i> 343259.556</p> <p><i>Reach length:</i>421 ft</p> <p><i>Stream order</i>3</p>	Sp 00
Cold Cr. CC#11	<p>Cold Creek Mid</p> <p>Upstream impacts: Minimal drains 20-40 homes (septic) 10-30 horses.</p> <p>Turn left on Cold Canyon Rd. go past Wonderview. You will see a gated area on the left hand side just below mile marker 1.36. Follow trail cross over the creek by 5ft cascade downstream 100 yards creek narrows and canopy increases.</p>	<p><i>Elevation:</i> 621ft</p> <p><i>Northing:</i> 3773105.339</p> <p><i>Easting:</i> 344962.349</p> <p><i>Reach length:</i>160 ft</p>	Sp 00 F 00

	Reach begins 5 riffles downstream from where stream narrows and ends at the first riffle.	<i>Stream order</i> 3	
Cold Cr. CC#3	<p>Cold Creek Reference</p> <p>Upstream impacts: Minimal (road may drain to canyon in spots).</p> <p>From Site 2 - 3_(Distance 5.7 miles) Continue straight on Piuma Rd and turn left on Cold Canyon Rd to Mulhulland Hwy turn right. To Stunt Rd. turn right. As you proceed around a 360 degree turn you will see a gate on the left hand side that says Cold Creek Preserve, park and enter the gate. Follow the trail past the info kiosk and head left on small path until you reach the stream.</p> <p>Reach begins at waterfall downstream from entry point and 5-7 riffles upstream.</p>	<p><i>Elevation:</i> 1325ft</p> <p><i>Northing:</i> 3773384.861</p> <p><i>Easting:</i> 348087.917</p> <p><i>Reach length:</i>139 ft</p> <p><i>Stream order</i> 2</p>	Sp 00 F 00
Las Virgenes LV#5	<p>Las Virgenes Outlet</p> <p>Upstream impacts: Drains parts of Calabasas, Rancho Compost Facility irrigation, overflows and sludge injection and the landfill. Livestock (cow and sheep) is grazed upstream in this drainage.</p> <p>From Malibu Canyon/Las Virgenes Canyon Rd. heading North turn left into the entrance of Malibu Creek State Park. (Tell the guard that you are with Heal the Bay's Stream Team and show your parking pass!) Park in the 3rd parking lot by the soda machines and bathroom. Proceed over the first bridge (Training site) until you reach the second bridge/stream crossing on the left hand side you will see a dirt path before you hit the creek follow the path to the left about 100 feet until you see an easy access point between the vegetation on your right. Walk to the water and then turn right for about 30 feet reach begins where the creek turns sharply to the left 5 riffles and ends U.S. at split riffle.</p>	<p><i>Elevation:</i>503 ft.</p> <p><i>Northing:</i> 3774096.607</p> <p><i>Easting:</i> 341305.609</p> <p><i>Reach length:</i> 605 ft</p> <p><i>Stream order</i> 3</p>	Sp 00 F 00
Medea Cr. Agoura subshed	Upstream impacts: Receives drainage from Lake Lindero, Lindero Creek, Palo Comado Creek, Cheseboro Creek and most of Agoura Hills including	<p><i>Elevation:</i> 812 ft.</p> <p><i>Northing:</i></p>	Sp 00 F 00

MD#7	<p>the 101 fwy. Creek upstream is channelized with concrete.</p> <p>From site 6, head back on Cheseboro Rd. to the stop sign and turn left and then a quick right onto the 101 Freeway North. Take the first exit, Kanan Rd., and turn left. Continue into the canyon and turn left onto Cornell Rd. Go past the first street on left and immediately park at the turnout on the right side of the road in front of 45mph sign and a telephone pole. Walk down the path to your left until you get to the stream. Reach begins two riffles downstream past the stormdrain pipe and ends just below two culverts.</p>	<p>3778810.139</p> <p><i>Easting:</i> 337821.028</p> <p><i>Reach length: 147 ft</i> <i>Stream order 4</i></p>	
<p>Triunfo Cr.</p> <p>TR#10</p>	<p>Upstream impacts:</p> <p>Kanan Rd. heading north turn left on Triunfo Cyn Rd. Park on street just past the Triunfo/Lobo Cyn community center. Walk downstream approximately 500 yds. (where channel migrates to the right). Reach begins at and ends at</p>	<p><i>Elevation:</i> 778. ft</p> <p><i>Northing:</i> 3776869.193</p> <p><i>Easting:</i> 335036.884</p> <p><i>Reach length: 372 ft</i> <i>Stream order 4</i></p>	Sp 00

Katherine Pease | Watershed Scientist
Heal the Bay | 1444 9th Street | Santa Monica, CA 90401
Tel: [310-451-1500 x 141](tel:310-451-1500) | Fax: [310-496-1902](tel:310-496-1902) | Email: kpease@healthebay.org

From: Dougall, Jan [mailto:jdougall@lvmwd.com]
Sent: Friday, January 04, 2013 4:21 PM
To: 'Katherine Pease'
Subject: RE: mystery IBI data locations - slope, too?

Thanks Katherine,

I don't want to be a pain, but, yes, there's a lot more that I need. The cells marked with "?" in the table below are what I need. The sites that correspond to monthly monitoring site numbers, but have a letter or something afterwards are probably sites really close to the monthly site, but I'd rather hear that from you than just make an assumption. But other site numbers are listed with creeks that the monthly site numbers aren't on, so I have no idea where those are. And I need slopes.

Site name on Allison's PPT	Actual location	Slope (percent)
AS19 (Arroyo Sequit)	19	“?”
Ch6 (Cheeseboro)	6	“?”
CC11 (Cold)	11	“?”
CC11A (Cold)	“?”	“?”
CC2 (Cold)	2	“?”
CC3 (Cold)	3	“?”
LCH18 (Lachusa)	18	“?”
LV13 (Las Virgenes)	13	“?”
LV17 (Las Virgenes)	“?” (HtB 17 is on Triunfo, not LV)	“?”
LV5 (Las Virgenes)	5	“?”
LV5A (Las Virgenes)	“?”	“?”
LV5A2 (Las Virgenes)	“?”	“?”
LV9 (Las Virgenes)	9	“?”
LV26 (Las Virgenes)	“?” (HtB 26 is Malibou Lake, not LV)	“?”
MC1 (Malibu Creek)	1	“?”
MC1B (Malibu Creek)	“?”	“?”
MC12 (Malibu Creek)	12	“?”
MC12A (Malibu Creek)	“?”	“?”
MC13 (Malibu Creek)	“?” (HtB 13 is on LV Creek, not MC)	“?”
MC15 (Malibu Creek)	15	“?”
MC8 (Malibu Creek)	8 (Palo Comado)	“?”
MC8B (Malibu Creek)	“?”	“?”
MC9 (Malibu Creek)	15 (Thanks for figuring this out)	“?”
MC20 (Malibu Creek)	“?”	“?”
MC21 (Malibu Creek)	“?”	“?”
MD7 (Medea)	7	“?”
MDC21 (Medea)	21 “?”	“?”
PC16 (Palo Comado)	“?” (HtB site 16 is on Stokes, not PC)	“?”
SC14 (Solstice Creek)	14	“?”
SC22 (Solstice Creek)	“?” (HtB 22 is Malibou L outlet, not on Solstice)	“?”
SC23 (Solstice Creek)	“?” (HtB 23 is Malibou L, not Solstice)	“?”
STC16 (Stokes)	16	“?”
TR17 (Triunfo)	17	“?”
TR10 (Triunfo)	“?” (HtB 10 is on Carlisle, not Triunfo)	“?”
WC15 (West Carlisle)	“?” (HtB 15 is on Malibu Creek, not Carlisle)	“?”
WC10 (West Carlisle)	10	“?”
STN24 (Stone Creek)	“?” (HtB 24 is on Malibou L, where's Stone C.?)	“?”

Jan Dougall
LVMWD
[\(818\) 251-2167](tel:8182512167)

From: Katherine Pease [<mailto:kpease@healthebay.org>]
Sent: Friday, January 04, 2013 2:07 PM
To: Dougall, Jan
Subject: RE: mystery IBI data locations - slope, too?

Hi Jan,

I found some info on those old site numbers.

MC-9 is the same as our current Site 15.

Here's the description and location:

Malibu Cr. MC#9	<p>Downstream of all Tapia Discharges.</p> <p>Impacts upstream: 6 man made lakes Tapia Wastewater treatment plant and compost facility, landfill, sheep and cow grazing, horses, septic systems 3000+, urban runoff from Agoura Hills, Westlake Village, part of Calabasas and the 101 fwy.</p> <p>Exit Tapia Park turn right on Malibu Canyon Rd. .5 miles on your left open gate at LA County stream gauge drive to bottom. Walk upstream between willows.</p> <p>Reach begins at riffle just above the gauge 5 riffles.</p>	<p><i>Elevation:</i> 431.32ft.</p> <p><i>Northing:</i> 3771973.345</p> <p><i>Easting:</i> 343102.468</p> <p><i>Reach length:</i> 388 ft.</p> <p><i>Stream order</i>5</p>
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Some of those other sites from Allison's presentation are ones we stopped monitoring. Are there any others you particularly wanted to know about?

Best, Katherine

Katherine Pease | Watershed Scientist
Heal the Bay | 1444 9th Street | Santa Monica, CA 90401
Tel: [310-451-1500 x 141](tel:310-451-1500) | Fax: [310-496-1902](tel:310-496-1902) | Email: kpease@healthebay.org

From: Dougall, Jan [<mailto:jdougall@lvmwd.com>]
Sent: Thursday, January 03, 2013 2:06 PM
To: Katherine Pease (kpease@healthebay.org); Mike Grimmer (mgrimmer@healthebay.org)
Subject: mystery IBI data locations - slope, too?

Hi Katherine and Mike,

We're working on an analysis of IBI scores and slope, so it would be really helpful if you could find us the slopes for those mystery sites from Allison's presentation/EPA TMDL.

Thanks again!

Jan Dougall
LVMWD
[\(818\) 251-2167](tel:(818)251-2167)

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Katherine Pease | Watershed Scientist

Heal the Bay | 1444 9th Street | Santa Monica CA 90401

Tel: 310 451 1500 X141 | Fax: 310 496 1902 | kpease@healthebay.org

Mon 8/19/2013 5:19 PM

Hi Cindy,

I asked Sarah about whether she sent or gave anything to LVMWD and she thinks we may have given them some data a few years back when Kevin Jontz was here (before me). But I don't think much else recently besides what I gave them in October. I also am forwarding this email to you that I sent Jan in November 2012 - checking on some data values for her as well as well as offering her any other data before our data website went live (in January - although it ended up being delayed to March I think).

Katherine

----- Forwarded message -----

From: **Katherine Pease** <kpease@healthebay.org>

Date: Thu, Nov 15, 2012 at 2:09 PM

Subject: RE: Conductivity data check

To: "Dougall, Jan" <jdougall@lvmwd.com>

Hi Jan,

I checked back and found the data sheets for all dates and sites (except the 2007 date). The numbers you have are all consistent with what was recorded in the field – and for all, we take 2 or 3 readings and average them and the duplicate readings are about equivalent. So, as far as I can tell, the numbers are accurate. I couldn't locate 2007 for some reason (will keep looking) but all the others checked out.

I think we're going to release our website sometime in January so all the data will be readily available then. Let me know if there's anything you need before then.

Best, Katherine

From: Dougall, Jan [mailto:jdougall@lvmwd.com]
Sent: Thursday, November 15, 2012 9:12 AM
To: kpease@healthebay.org
Subject: RE: Conductivity data check

Oops! I forgot to include the main one:

Site	Date	Spec. Cond. ($\mu\text{S}/\text{cm}$)
2	7/12/2009	14180

Thanks and have a good weekend!

Jan

From: Dougall, Jan
Sent: Wednesday, November 14, 2012 4:55 PM
To: Katherine Pease (kpease@healthebay.org)
Subject: Conductivity data check

Hi Katherine,

Can you check some Heal the Bay conductivity data for me? These seem really high.

Site	Date	Spec. Cond. (µS/cm)
5	5/8/1999	7700
5	9/13/2009	9240
25	10/30/2007	8120
12	9/13/2009	6020

I tried to find the data online, but it wasn't up yet. When do you think it will be?

Thanks!

Jan Dougall

Environmental Analyst

Las Virgenes Municipal Water District

4232 Las Virgenes Rd.

Calabasas, CA 91302

[\(818\) 251-2167](tel:(818)251-2167)

jdougall@lvmwd.com

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Katherine Pease | Watershed Scientist

Heal the Bay | 1444 9th Street | Santa Monica CA 90401

Tel: 310 451 1500 X141 | Fax: 310 496 1902 | kpease@healthebay.org

Mon 8/19/2013 5:23 PM

Hi Cindy,

This email from Jan also references "the data you gave us last week" - this is all the bug data I gave them in October 2012.

Katherine

----- Forwarded message -----

From: **Dougall, Jan** <jdougall@lvmwd.com>

Date: Mon, Oct 22, 2012 at 4:55 PM

Subject: Confirm Upper Cheeseboro location

To: kpease@healthebay.org

Hi Katherine,

When I got your email back I took a break from conservation BMP reporting to look at the data you gave us last week. The first site location I checked was Upper Cheeseboro Canyon Creek. But the latitude and longitude in the Site Descriptions document plots it in Liberty Canyon creek. Can you check the coordinates and resend?

I'll have more time to look at data (the fun stuff) once I get this report done... I'll save any more questions until then.

Thanks!

Jan Dougall

LVMWD

[\(818\) 251-2167](tel:(818)251-2167)

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Katherine Pease | Watershed Scientist

Heal the Bay | 1444 9th Street | Santa Monica CA 90401

Tel: 310 451 1500 X141 | Fax: 310 496 1902 | kpease@healthebay.org

Tue 8/20/2013 4:34 PM

questions and answers about site locations in October

----- Forwarded message -----

From: **Katherine Pease** <kpease@healthebay.org>

Date: Wed, Oct 10, 2012 at 5:02 PM

Subject: RE: Your 10/18 Malibu Creek TAC presentation

To: "Dougall, Jan" <jdougall@lvmwd.com>

OK – glad you got it sorted out. I was going to look into that confusion myself. Our Lachusa site is in Decker Canyon or at the end of the canyon and right by Decker Canyon Rd. but I am pretty sure this is Lachusa Creek.

Katherine

From: Dougall, Jan [mailto:jdougall@lvmwd.com]

Sent: Wednesday, October 10, 2012 5:00 PM

To: Katherine Pease

Subject: RE: Your 10/18 Malibu Creek TAC presentation

Katherine,

Never mind about my previous request. I found this source: <http://store.usgs.gov> - then select Map Locator and Downloader and follow the directions.

Lachusa is spelled differently on different maps and is labeled in the wrong place (I assume) in a 2012 Triunfo Pass topo, but is where you have it in other years. Other canyons get labeled differently in different years, too. Oh well. I think I have most of my canyons labeled correctly now.

Jan Dougall

LVMWD

[\(818\) 251-2167](tel:(818)251-2167)

From: Dougall, Jan
Sent: Wednesday, October 10, 2012 2:51 PM
To: 'Katherine Pease'
Subject: RE: Your 10/18 Malibu Creek TAC presentation

Hi Katherine,

Thanks for getting back to me – I would be pleased to introduce you!

I wonder if you have any maps or links to maps that can help me figure out which canyon is which on the coast. Do you have a good resource? I'm currently looking at HtB 18 – Lechuza, but I thought that canyon was Decker Canyon and I've gotten myself confused.

Thanks!

Jan Dougall

LVMWD

[\(818\) 251-2167](tel:(818)251-2167)

From: Katherine Pease [<mailto:kpease@healthebay.org>]
Sent: Wednesday, October 10, 2012 2:41 PM
To: Dougall, Jan; Sarah Sikich
Subject: RE: Your 10/18 Malibu Creek TAC presentation

Hi Jan,

Thanks for the email. We are excited to present next week.

If you don't mind introducing us, that would be great. And just the basic info from the HtB staff directory is good.

See you next week!

Thanks, Katherine

From: Dougall, Jan [<mailto:jdougall@lvmwd.com>]
Sent: Monday, October 08, 2012 9:01 AM
To: kpease@healthebay.org; ssikich@healthebay.org
Cc: dpankau@cityofcalabasas.com
Subject: Your 10/18 Malibu Creek TAC presentation

Hi Sarah & Katherine,

I'm looking forward to seeing you and your presentation next week. Here's a little pre-presentation information to make the day go smoothly.

- You're scheduled to present at the Malibu Creek Watershed TAC on Thursday, October 18th starting at about 1:10 and lasting for up to about 45 minutes with Q&A.
- I can introduce you using the Heal the Bay Staff directory texts, or, if you'd like, you could introduce yourselves or each other. Do you have any preference?
- If you could arrive 15-20 minutes early, we can load your PowerPoint presentation and introduce you to the friendly remote and the fussy keyboard.

Malibu Creek Watershed TAC presentation

Thursday, October 18, 1-3 PM

Las Virgenes Municipal Water District Board Room

4232 Las Virgenes Rd.

Calabasas, CA 91301

Thanks!

Jan

Jan Dougall

Chair, Malibu Creek Watershed TAC

& Environmental Analyst

Las Virgenes Municipal Water District

4232 Las Virgenes Rd.

Calabasas, CA 91302

[\(818\) 251-2167](tel:(818)251-2167)

jdougall@lvmwd.com

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Katherine Pease | Watershed Scientist

Heal the Bay | 1444 9th Street | Santa Monica CA 90401

Tel: 310 451 1500 X141 | Fax: 310 496 1902 | kpease@healthebay.org

Tue 8/20/2013 4:39 PM

Here's a link to the presentation Sarah and I gave in Oct to the Malibu Creek Watershed TAC attendees. This presentation is basically an outline/highlight of the SOWR document. This was distributed to all attendees and obviously LVMWD had a copy.

Katherine

----- Forwarded message -----

From: **Dougall, Jan** <jdougall@lvmwd.com>

Date: Thu, Oct 18, 2012 at 5:48 PM

Subject: Malibu Creek TAC mtg follow-up

To:

Malibu Creek Watershed TAC attendees:

We had two really impressive presentations today. Because of high demand, I placed their presentations on the TAC FTP site immediately.

Presentations included:

Hydromodification Impacts, Controls and Regulations – Dr. Felicia Federico, Executive Director of the La Kretz Center at UCLA. The FTP site includes a PDF of her presentation as well as the SCCWRP technical report she co-authored. I will add a link to the white paper she did for CASQA when I post meeting notes later next week. Please check back!

State of the Watershed Report – Sarah Sikich, Coastal Resources Director for Heal the Bay and Dr. Katherine Pease, Heal the Bay's Stream Team leader gave a presentation on analysis of 12 years of Stream Team data in advance of the publication of their report, which is expected out in Late November.

Site for Malibu Creek Watershed TAC: <ftp://66.185.19.6>

Copy and paste the address above into Windows Explorer (or other file management system – not Internet Explorer).

Use the login: MalibuCreekTAC and use the password: mcw210

See you January 17th, from 1-3 PM for the next TAC.

Jan Dougall

Chair, Malibu Creek Watershed TAC

& Environmental Analyst

Las Virgenes Municipal Water District

4232 Las Virgenes Rd.

Calabasas, CA 91302

[\(818\) 251-2167](tel:(818)251-2167)

jdougall@lvmwd.com

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Katherine Pease | Watershed Scientist

Heal the Bay | 1444 9th Street | Santa Monica CA 90401

Tel: 310 451 1500 X141 | Fax: 310 496 1902 | kpease@healthebay.org

Tue 8/20/2013 4:42 PM

Record of sharing data on our algae protocol etc.

Katherine

----- Forwarded message -----

From: **Dougall, Jan** <jdougall@lvmwd.com>

Date: Thu, Jan 3, 2013 at 3:23 PM

Subject: RE: SOP request

To: Katherine Pease <kpease@healthebay.org>

Thank you Dr. Pease!

From: Katherine Pease [mailto:kpease@healthebay.org]

Sent: Thursday, January 03, 2013 2:55 PM

To: Dougall, Jan

Subject: RE: SOP request

Here is a field guide link with the algae guide starting on Page 78. CL/RZ sometimes look like they're floating but are attached to the stream substate and are thus, benthic.

http://www.healthebay.org/sites/default/files/pdf/Stream%20Team%20Field%20Guide_May2012.pdf

Best, Katherine

Katherine Pease | Watershed Scientist

Heal the Bay | 1444 9th Street | Santa Monica, CA 90401

Tel: [310-451-1500 x 141](tel:310-451-1500) | Fax: [310-496-1902](tel:310-496-1902) | Email: kpease@healthebay.org

From: Dougall, Jan [mailto:jdougall@lvmwd.com]

Sent: Thursday, January 03, 2013 2:51 PM

To: 'Katherine Pease'

Subject: RE: SOP request

Thanks,

It turns out the Field Guide I have doesn't have an algae key – only riparian plants.

Can you tell me what EN, DT, are for floating and SP, DT, CLRZ and CH are for benthic? (And for my continuing biology education, wouldn't CL/RZ be floating if it is Cladophora/Rhizoclonium?)

I'm really sorry to keep bothering you. I'm definitely in snorkel mode again.

Jan Dougall

LVMWD

[\(818\) 251-2167](tel:8182512167)

From: Katherine Pease [<mailto:kpease@healthebay.org>]
Sent: Thursday, January 03, 2013 2:40 PM
To: Dougall, Jan
Subject: RE: SOP request

Hi Jan,

For bug collection, we currently use the Reach Wide Benthos procedure from the SWAMP protocol. We started this in 2008 – before that we used the California Stream Bioassessment Procedure (2000-2003) and then the Targeted Riffle Composite procedure (2005-2007).

For CSBP – I have a reference of: Harrington, J.M. 1996. California stream bioassessment procedures. California Department of Fish and Game, Water Pollution Control Laboratory. Rancho Cordova, CA.

For Targetted Riffle I have a reference of Peck, D.V., Lazorchak, J.M., & Klemm, D.J. (editors). 2004. *Environmental Monitoring and Assessment Program -Surface Waters: Field Operations and Methods for Measuring the Ecological Condition of Wadeable Streams*. EPA/620/R-94/004F. U.S. Environmental Protection Agency, Washington, D.C.

And then for SWAMP - Ode, P.R. 2007. Standard operating procedures for collecting macroinvertebrate samples and associated physical and chemical data for ambient bioassessments in California. California State Water Resources Control Board Surface Water Ambient Monitoring Program (SWAMP) Bioassessment SOP 001.

As for the algal data, I am attaching our field data sheet that shows what we measure and then the field guide that you already have has the types of algae also.

Working on the site IDs – I am pretty sure that they were old sites that we renamed but will try to find out.

Katherine

Katherine Pease | Watershed Scientist

Heal the Bay | 1444 9th Street | Santa Monica, CA 90401

Tel: [310-451-1500 x 141](tel:310-451-1500) | Fax: [310-496-1902](tel:310-496-1902) | Email: kpease@healthebay.org

From: Dougall, Jan [<mailto:jdougall@lvmwd.com>]
Sent: Friday, December 21, 2012 5:07 PM
To: Katherine Pease (kpease@healthebay.org)
Cc: Sarah Sikich (ssikich@healthebay.org)
Subject: SOP request

Hi Katherine and Sarah,

I am knee deep in a review of the EPA BMI TMDL. In order to do that properly, I wonder if I could get a copy of your SOP for bug collection? I'd also like to see the guidance for Stream Team algal percent cover determination. I have a Field Guide, but I don't see this in it.

I will be out of the office all but a few hours next week, so I won't need it until early January,

Until then,

Happy Winter Solstice, Happy Holidays and Happy New Year!!!

Jan Dougall

LVMWD

[\(818\) 251-2167](tel:(818)251-2167)

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Katherine Pease | Watershed Scientist

Heal the Bay | 1444 9th Street | Santa Monica CA 90401

Tel: 310 451 1500 X141 | Fax: 310 496 1902 | kpease@healthebay.org

Tue 8/20/2013 4:46 PM

Records of Jan sharing our data with SCCWRP and asking to come out to sample with Stream Team and me trying to coordinate that.

----- Forwarded message -----

From: **Katherine Pease** <kpease@healthebay.org>

Date: Thu, Feb 21, 2013 at 3:32 PM

Subject: RE: Rafi Mazor, SCCWRP contact
To: "Dougall, Jan" <jdougall@lvmwd.com>

Hi Jan,

Yes, a weekday would be totally fine with us. Things are getting crazy busy as we prep for the watershed report release – maybe we could try for the end of March sometime in April?

Katherine

Katherine Pease | Watershed Scientist

Heal the Bay | 1444 9th Street | Santa Monica, CA 90401

Tel: [310-451-1500](tel:310-451-1500) x 141 | Fax: [310-496-1902](tel:310-496-1902) | Email: kpease@healthebay.org

It's a Party! Join us March 1st-3rd for the Santa Monica Pier Aquarium's [birthday bash](#).



From: Dougall, Jan [mailto:jdougall@lvmwd.com]

Sent: Tuesday, February 19, 2013 1:31 PM

To: 'Katherine Pease'

Subject: RE: Rafi Mazor, SCCWRP contact

Hi Katherine,

I think Randal would prefer a weekday time, if that's a possibility and not an imposition on you. Then we could both go. Otherwise, I've set up an Outlook reminder to check in with you two weeks ahead of each date you gave me so I could go on whatever the next one is that has space available. There's no rush – it's something we've been interested in doing for years and should plan to do at some point.

Jan Dougall

LVMWD

[\(818\) 251-2167](tel:(818)251-2167)

From: Katherine Pease [<mailto:kpease@healthebay.org>]

Sent: Tuesday, February 19, 2013 1:05 PM

To: Dougall, Jan

Subject: RE: Rafi Mazor, SCCWRP contact

Hi Jan,

Thanks for letting me know what you sent to Rafi. I'll get in touch with him just to check in.

Like I said before, I cannot be certain that there will be space on March 3 and based on how it's been going the last few months, my guess is that there probably won't be space that day. I really do need to give first priority to our volunteers. Since our last training in November, I have had to turn away volunteers because we reached capacity in Dec, Jan, and Feb. So, I think we need to be flexible with that. We could also schedule a weekday time where we could visit some of the sites and show you our sampling procedures. That might be easier to schedule for certain. Let me know.

Best, Katherine

Katherine Pease | Watershed Scientist

Heal the Bay | 1444 9th Street | Santa Monica, CA 90401

Tel: [310-451-1500 x 141](tel:310-451-1500) | Fax: [310-496-1902](tel:310-496-1902) | Email: kpease@healthebay.org

It's a Party! Join us March 1st-3rd for the Santa Monica Pier Aquarium's [birthday bash](#).



From: Dougall, Jan [mailto:jdougall@lvmwd.com]

Sent: Tuesday, February 12, 2013 11:03 AM

To: 'Katherine Pease'

Subject: RE: Rafi Mazor, SCCWRP contact

Hi Katherine,

My apologies for sending your data to Rafi without checking with you first. I'd already done work with the MS4 group to compile data for Cindy and had added yours to the same file. All the others were publicly available and I was careless to not differentiate those from the Heal the Bay data when I transmitted. I should have contacted you to work with him directly. I left you a voice message just now to let you know exactly what files I transferred – just those with taxa lists for calculation of the new CSCI (California Stream Condition Index).

Also – I just got permission to go out with you on a Sunday for water quality monitoring. Can I come help on Sunday 3/3? What do I need to do? I'm guessing there are liability forms, maybe something to read, anything else?

Thanks again. I owe you...

Jan Dougall

LVMWD

[\(818\) 251-2167](tel:(818)251-2167)

From: Katherine Pease [<mailto:kpease@healthebay.org>]
Sent: Tuesday, February 12, 2013 10:42 AM
To: Dougall, Jan
Subject: RE: Rafi Mazor, SCCWRP contact

Hi Jan,

I do know Rafi a bit – we've talked on the phone before and I saw him give a talk. Typically we are happy to share data but we'd prefer to do it ourselves rather than have it come from a secondary source. Most of this data will be public soon or already is so it's not a huge deal but some is not planned on being made widely public necessarily. In the future, we'd prefer that you ask us before sharing data or send Rafi or whomever to us directly. Can you tell me what data you sent him specifically?

As for coming out to sample, we'd be happy to have you come along. We sample once a month (typically first Sunday of the month) and have a maximum number we can take. The last few months we've been getting more interest that number of spots, which is great. So, I would have to give first priority to our volunteers but if there's room, we can take you along. We will be sampling on March 3, April 7, and May 5 most likely in the upcoming months. We will also be having a new volunteer training in May (date TBD), which you could come to if interested also. Maybe the best plan would be for you to contact me near the date of sampling and I can let you know if there is room. How does that sound?

Best, Katherine

Katherine Pease | Watershed Scientist

Heal the Bay | 1444 9th Street | Santa Monica, CA 90401

Tel: [310-451-1500 x 141](tel:310-451-1500) | Fax: [310-496-1902](tel:310-496-1902) | Email: kpease@healthebay.org

It's a Party! Join us March 1st-3rd for the Santa Monica Pier Aquarium's [birthday bash](#).



From: Dougall, Jan [<mailto:jdougall@lvmwd.com>]

Sent: Wednesday, February 06, 2013 12:19 PM

To: Katherine Pease (kpease@healthebay.org)

Subject: Rafi Mazor, SCCWRP contact

Hi Katherine,

I left a phone message that I had forwarded the Heal the Bay BMI data to Rafi Mazor at SCCWRP to use in their statewide Biological Objectives technical development. He wanted to know the SWAMP site IDs to go along with the Heal the Bay site IDs. I said I would send him

your contact information so he could ask you about it. He's brilliant and fun, so I hope you'll get a chance to meet him.

Here's his staff bio and contact info:

Raphael D. Mazor is a freshwater biologist specializing in bioassessment using benthic macroinvertebrates, periphyton, and other aquatic organisms. He received a B.A. in Neuroscience and Behavior from Columbia University (1999) and a Ph.D. in Environmental Science, Policy, and Management from the University of California, Berkeley (2006), and joined SCCWRP in 2006. His research focuses on the development and evaluation of regional bioassessment programs for mediterranean-climate streams in southern California.

[Resume](#)

E-mail: raphaelm@sccwrp.org

Phone: [\(714\) 755-3235](tel:(714)755-3235)

Address: 3535 Harbor Blvd., Suite 110, Costa Mesa, CA 92626

I've never heard anyone ever call him Raphael. What I've heard people call him, and what I've been calling him is Rafi.

Jan Dougall

Environmental Analyst

Las Virgenes Municipal Water District

4232 Las Virgenes Rd.

Calabasas, CA 91302

[\(818\) 251-2167](tel:(818)251-2167)

jdougall@lvmwd.com

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Katherine Pease | Watershed Scientist

Heal the Bay | 1444 9th Street | Santa Monica CA 90401

Tue 8/20/2013 4:48 PM

Record of us setting up meeting with LVMWD before SOWR release - although we ended up cancelling this due to legal issues.

----- Forwarded message -----

From: **Katherine Pease** <kpease@healthebay.org>
Date: Fri, Feb 22, 2013 at 11:51 AM
Subject: RE: Introduction and Meeting (Heal the Bay)
To: "Pedersen, David" <DPedersen@lvmwd.com>
Cc: "Reyes, Carlos" <CReyes@lvmwd.com>, "Orton, Randal" <ROrton@lvmwd.com>, "Dougall, Jan" <jdougall@lvmwd.com>, Sarah Sikich <ssikich@healthebay.org>

Perfect - 1pm it is. See you then.

Best, Katherine

Katherine Pease | Watershed Scientist
Heal the Bay | 1444 9th Street | Santa Monica, CA 90401
Tel: [310-451-1500 x 141](tel:310-451-1500) | Fax: [310-496-1902](tel:310-496-1902) | Email: kpease@healthebay.org

It's a Party! Join us March 1st-3rd for the Santa Monica Pier Aquarium's birthday bash.

-----Original Message-----

From: Pedersen, David [mailto:DPedersen@lvmwd.com]
Sent: Friday, February 22, 2013 10:09 AM
To: Katherine Pease
Cc: Reyes, Carlos; Orton, Randal; Dougall, Jan; Sarah Sikich
Subject: Re: Introduction and Meeting (Heal the Bay)

Katherine,

Yes, 1:00 p.m. would work for me. It looks Charlie will skip this meeting. He would like me to have the chance to get to know HTB on my own, which I think is a good idea. Thanks.

-Dave

Sent from my iPhone

On Feb 22, 2013, at 9:45 AM, "Katherine Pease"
<kpease@healthebay.org<mailto:kpease@healthebay.org>> wrote:

Hi Dave,

Thanks for the email and we look forward to meeting with you too. And we'd be happy to have Charlie join us also. Would mid-day on the 11th work for you? I thought the morning would work but it's not good after all. Would 12 noon or 1pm be possible?

Thanks, Katherine

Katherine Pease | Watershed Scientist
Heal the Bay | 1444 9th Street | Santa Monica, CA 90401
Tel: [310-451-1500 x 141](tel:310-451-1500) | Fax: [310-496-1902](tel:310-496-1902) | Email:
kpease@healthebay.org<mailto:kpease@healthebay.org>

It's a Party! Join us March 1st-3rd for the Santa Monica Pier Aquarium's birthday bash<<http://www.healthebay.org/event/aquariums-10-year-anniversary-celebration>>.

<image001.png><<http://www.healthebay.org/event/aquariums-10-year-anniversary-celebration>>

From: Pedersen, David
[mailto:DPedersen@lvmwd.com<mailto:DPedersen@lvmwd.com>]
Sent: Thursday, February 21, 2013 6:26 PM
To: Katherine Pease
Cc: Reyes, Carlos; Orton, Randal; Dougall, Jan
Subject: RE: Introduction and Meeting (Heal the Bay)

Katherine,

Thanks for your email. I would very much like to meet with you and Sarah Sikich. In fact, our Board President, Charlie Caspary, would be interested in joining us too, assuming that is okay with you. He mentioned that he had worked with Sarah in the past and had not been in contact for some time. I have another appointment on the afternoon of March 5th, so my preference would be to meet on March 11th or 13th. Should we try for Monday, March 11th at 9:00 a.m. in our office?

Sincerely,

-Dave

David W. Pedersen, P.E.
General Manager
Las Virgenes Municipal Water District
(818) 251-2122 office
(818) 564-5205 cell
(818) 251-2149 fax
www.lvmwd.com<<http://www.lvmwd.com>>
dpedersen@lvmwd.com<<mailto:dpedersen@lvmwd.com>>

From: Conklin, Kimmey
Sent: Thursday, February 21, 2013 10:29 AM
To: Pedersen, David
Subject: FW: Introduction and Meeting (Heal the Bay)

From: Katherine Pease
Sent: Thursday, February 21, 2013 10:21:17 AM (UTC-08:00) Pacific Time (US & Canada)
To: Dougall, Jan; General Manager; Orton, Randal
Cc: Sarah Sikich
Subject: Introduction and Meeting
Dear David, Randal, and Jan,

First off, I would like to introduce myself to David and welcome you to the watershed! I am the Watershed Scientist at Heal the Bay and in charge of the Stream Team program, which is a volunteer program to monitor water quality in the Malibu Creek Watershed and surrounding locations. The Stream Team has been collecting data since 1998 and we are excited to be releasing the first comprehensive report based on our data. We are planning a public meeting about the report for Tuesday March 19th in the evening (we will be sending out invitations to this very soon – save the date) but we would like to get the chance to meet with you before the release. We'd like to introduce ourselves to David and let you all know about the report, some of our findings, and recommendations.

Would you possibly be available to meet on March 5th in the afternoon? Sarah Sikich (Heal the Bay's Coastal Resources director) and I would be happy to come to you. The 5th is the best for us if possible, but other options would be the 13th late afternoon (after 3) or the 11th morning to mid-day. Let me know if any of those work for you.

Thank you.

Best, Katherine

Katherine Pease | Watershed Scientist
Heal the Bay | 1444 9th Street | Santa Monica, CA 90401
Tel: 310-451-1500 x 141 | Fax: 310-496-1902 | Email:
kpease@healthebay.org<mailto:kpease@healthebay.org>

It's a Party! Join us March 1st-3rd for the Santa Monica Pier Aquarium's birthday bash<<http://www.healthebay.org/event/aquariums-10-year-anniversary-celebration>>.

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Katherine Pease | Watershed Scientist
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